

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051966 A1

(51) International Patent Classification⁷: C07F 15/00, (74) Agents: DONALD, Heather, June et al.; Spoor & Fisher, P. O. Box 41312, Craighall, 2146 Morningside (ZA).

(21) International Application Number: PCT/IB2004/003855 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 24 November 2004 (24.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/524,727 25 November 2003 (25.11.2003) US

(71) Applicant (for all designated States except US): PLATCO TECHNOLOGIES (PROPRIETARY) LIMITED [ZA/ZA]; 152 Cape Road, Mill Park, 6001 Port Elizabeth (ZA).

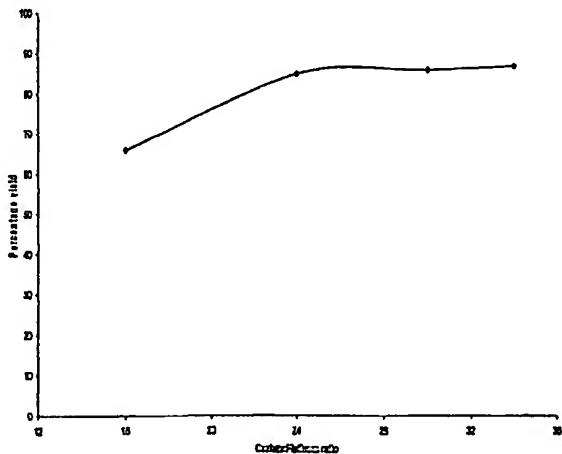
(72) Inventor; and

(75) Inventor/Applicant (for US only): DU PREEZ, Jan, Gysbert, Hermanus [ZA/ZA]; 16 Burford Crescent, Linkside, 6001 Port Elizabeth (ZA).

Published:
— with international search report

[Continued on next page]

(54) Title: PLATINUM(II) COMPLEXES, PREPARATION AND USE



WO 2005/051966 A1

(57) Abstract: This invention relates to a method for the preparation of platinum(II) complexes, in particular dicarboxylatoplatinum(II) complexes containing a neutral bidentate ligand, such as oxaliplatin. The method includes the step of reacting a bis-dicarboxylatoplatinum(II) species with a suitable neutral bidentate ligand to form a neutral dicarboxylatoplatinum(II) complex and, if necessary, recrystallising the product to form a pure dicarboxylatoplatinum(II) complex containing a neutral bidentate ligand. The invention also relates to a method for producing a bis-dicarboxylatoplatinum(II) species, and to new platinum(II) complexes that can be made by the method of the invention.